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PORTLAND
STATE UNIVERSITY
perspective
Spring 1981



photo by Laura Jacobson

PORTLAND STATE UNIVERSITY perspective

Spring 1981

Frying Beef: Food for Thought

Cancer Research at PSU by Cliff Johnson

Current research in PSU's Chemistry Department indicates that suspected cancer-causing compounds can be formed to some degree by the way we cook many of the foods we eat. Further, this research indicates that, for as yet unexplained reasons, these compounds may be much more prevalent whenever high-temperature cooking methods are used to quickly brown, sear or char beef.

In order to investigate this problem, one might expect that researcher Antony J. Vithayathil and Margaret Alic, his assistant, would be wearing chef's hats and using spatulas to cook hamburgers on a smoky restaurant fry-grille. Instead, their third-floor PSU chemistry lab looks quite ordinary to the casual observer. But in the laboratory setting of beakers, slides and Bunsen burners, the two researchers find themselves challenging many of the basic assumptions most of us have about food preparation.

"Cooking is not really a natural process," says Vithayathil. "I'm not saying that animals don't eat burned food. But as a routine thing, people are the only ones who cook. Whether you do it in the kitchen or in the lab, you're causing some chemical changes (in the food). I'm sure many of them are beneficial. But at the same time, there may be some changes which may have unnecessary side effects."

The side effects which the PSU researchers are now studying involve the formation in cooking of what are called "mutagenic compounds," which are defined as any agents which can cause biological mutation. Mutagenic compounds are strongly suspected of having some of the cancer-causing potential of known carcinogens. Verifying this suspicion forms a cornerstone of the current PSU inquiry.

The remainder of the investigation focuses on isolating (a) the molecular structure of the mutagens formed during the cooking process;



Antony J. Vithayathil, adjunct research associate in chemistry at PSU, observes as research assistant Margaret Alic makes precise count of mutagenic colonies formed as result of earlier test to see whether such compounds would grow in solution containing beef extract.

(b) their carcinogenic potential in laboratory animals; and (c) the chemical mechanism of their formation. If all that can be discovered, the researchers hope to find easy ways for people to modify cooking procedures, so they eliminate or reduce the formation of these potentially hazardous agents in food.

The current research at PSU began in late September, 1980, and is being supported for an initial three-year period by the Chiles

Foundation of Portland. But Vithayathil's interest in the subject dates back some eight years to Washington University in St. Louis, Mo., where he was co-principal investigator with Dr. Barry Commoner on several research projects involving not only food, but environmental samples as well. Commoner's recent immersion in presidential politics, his appointment to the faculty of Queens College, New York, and Vithayathil's desire to relocate his family to the Northwest, all caused him to resume the research at PSU as an adjunct research associate.

What Vithayathil has uncovered so far, while perhaps discouraging enough to consumers, is tantalizing from a researcher's point of view. By using the same preliminary test system (the Ames test) which recently revealed cancer-causing compounds in substances formerly used to make children's sleep-wear flame-resistant, Vithayathil's tests of cooked ground beef lead him to declare that, at some dose, "there is a 90 percent probability those compounds are going to be carcinogenic in some animal species." At what dose, and in what animals, remain to be seen.

But some things already are known. Some compounds similar to these mutagens are formed in browning bread and in vegetarian cooking. But the amounts "are very, very small, compared to what you find in meat," he says.

Further, how one cooks meat seems to make a big difference. "In raw hamburger, none of these compounds are present. If you cook it 'rare,' it forms a certain amount. If you cook it 'medium,' you get more. And when you cook it 'well-done,' it's a lot more," says Vithayathil. But if the same meat is cooked in a microwave oven, "you practically don't get any mutagens at all."

The trouble has been pinpointed to the browned or charred surface of the meat, when skillets, cookers,

grilles and barbeques are used. Some as yet unknown chemical processes happen during the browning process as the meat begins to sizzle. But in the nearby center of the meat, away from the sizzling, many fewer mutagenic compounds are formed, Vithayathil has discovered.

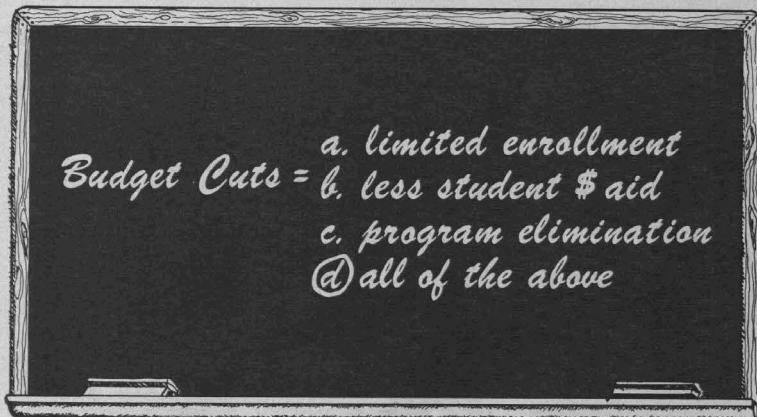
The PSU researchers are now trying to prepare these compounds using laboratory methods, so they can be conveniently made in doses large enough to administer to laboratory rats for an extended test period. But for the present, Vithayathil and Alic are content to use a readily-available preparation they have found to be extraordinarily rich in mutagenic compounds — beef extract. Made when ground beef is cooked and boiled down into a dark brown paste with the fat removed, a one-pound container (about the size of two ordinary cold-cream jars) has the mutagenic compounds present in about 1,000 to 2,000 well-done beef hamburgers, according to Vithayathil. This also is the extract commonly found in certain beefy sauces, frozen dinners and in beef bouillon, he says.

Based on what he already has learned, Vithayathil won't touch anything on the supermarket shelf that has the words "beef extract" in the list of ingredients. Further, although he has included beef in his own diet even before he came to the U.S. from India in 1958, he and his

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by Clarence Hein

STATE CUTS Thousands of current and prospective Portland State students may have to go elsewhere for their education, or go without, over the next two years if budget cuts being discussed in the legislature become a reality. The magnitude of budget reductions mentioned would dramatically limit the scope and character of PSU and the educational and community service contributions it makes to the region.

Already some high-demand academic areas have taken steps to limit access to classes because of emergency budget cuts instituted last summer. These cuts left hundreds of qualified students on course waiting lists in Business Administration and similar numbers outside the doors of the Division of Engineering.

The potential budget cuts now under discussion in the legislature, according to President Joseph Blumel, "would profoundly alter the scope and function of this University. They would set back our development for years, even decades."

The cause of this concern is news that Portland State, along with other components of Oregon's higher education system, may fall victim to budget cuts as deep as ten percent. At PSU, that prospect would remove \$3 million from PSU's already tight operating budget in 1981-82, and \$4.6 million in 1982-83.

Last summer PSU lost more than \$2 million through emergency budget cuts ordered by the legislature when the state's revenue projections were revised downward. That cut put a hold on 29 full-time faculty positions at the Portland campus along with 35 unfilled staff positions. There also were severe cuts in budgets for books, equipment, supplies and support services.

The immediate impact of the budget cut on students at PSU was the elimination of nearly ten percent of the course sections originally proposed for 1980-81 schedules. It was here that the long waiting lists began developing in the high demand academic areas.

The state's revenue picture did not improve and in the fall Governor Vic Atiyeh announced his proposed 1981-83 budget. It called for first restoring the University's budget to its 1979-81 level, then reducing that by about three percent. Over the next two years, the governor's proposal would restore about half the emergency budget cuts made last summer.

Higher education officials termed Atiyeh's proposal "minimal" but something they could live with in view of the state of Oregon's economy. The Governor, within his proposed budget, had included

some modest measures to increase state revenue. After reviewing the proposal, legislative leadership asked state agencies to prepare budget proposals based on no revenue increase. That translates into a cut of an additional ten percent over the biennium, or almost \$31 million just for higher education.

The State Board of Higher Education, in response to this legislative request, developed a plan to cut that \$31 million from the state's universities and colleges. According to the State Board, the reductions would eliminate classes for some 5,900 Full Time Equivalent (FTE) students (about 1,500 at PSU). Since a high proportion of PSU's students are part-time (the average credit hours per student is 9.48, rather than the 15 for one FTE), the number of students affected would be much higher than 1,500, depending on which students (full or part-time) are denied access to classes. And a ten percent reduction could eliminate as many as 75 FTE faculty positions at PSU.

The State Board's budget reduction plan consists of five "steps" which could be implemented one at a time in priority order, depending upon the size of the budget cut ultimately ordered by the legislature.

The impact of those five steps on PSU and its ability to carry out its educational and public service mission is outlined below.

STEP 1 A cut of \$740,000 in general fund support in 1981-82; and elimination of all general fund support for athletics (\$85,000 in 1981-82), forcing even deeper cuts in an athletic program which dropped several sports this spring in a budget-cutting move.

STEP 2 A further cut of \$1.2 million in faculty-staff salaries at PSU. (The institutions have been given the option of reducing all employees to 96 percent of current salary. However, that suggestion has been criticized by many faculty and administrators.)

STEP 3 A reduction of another \$1.4 million in 1982-83.

STEP 4 A duplicate of Step 3, that is another \$1.4 million in 1982-83.

STEP 5 This step increases revenue by imposing an additional tuition surcharge of \$108 per student in 1982-83. This would be in addition to two consecutive 15 percent tuition increases already proposed by Governor Atiyeh.

Obviously, these proposed measures, in combination with reductions already included in the Governor's proposed budget, spell real problems for PSU. The University's budget would be reduced by eight percent (over \$3 million) in 1981-82, and 12 percent (more than \$4.7 million) in 1982-83. There also would be no relief for already reduced budgets for books, supplies and educational equipment.

President Blumel believes the impact of these cuts would be so damaging that he already has warned faculty and staff and the State Board of potential reductions of academic programs and the termination of personnel.

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Business, engineering students compete for limited class space

FEDERAL CUTS As if state-level budget cuts were not enough, word of pending federal-level reductions also will hit PSU. Oregon is one of 25 states which would be hardest hit by proposed reductions in federal student aid programs, according to the American Association of State Colleges and Universities.

The Reagan administration proposes reducing funds available in some grant and loan areas. Concurrently it plans to tighten down on income requirements needed to qualify for that financial aid. Students hardest hit will be those from so-called middle income families (those with combined incomes over \$24,000, including the student's wages). Last year, 21 percent of the students at PSU who were in that type of grant program came from families with combined incomes over the proposed minimum. Families with incomes between \$15,000 and \$24,000 will have their grants reduced next year, constituting another third of PSU's financial aid applicants.

Seventy-six percent of PSU's students work at least part-time while attending school, many of them at jobs funded through College Work Study programs. These programs, too, are slated for cuts by the Reagan administration.

PSU also stands to lose 35 percent of its federal contribution to the direct student loan program which allows a student to borrow at low interest rates. During the 1979-80 school year, 1,160 students received these loans.

Even though the current financial picture at PSU is bleak, President Blumel says, "We must not accept it as inevitable. But we must bring these facts to the public's awareness."

A group of alumni has organized the Alumni Public Service Committee to encourage alumni and friends to contact legislators and inform them that there is support for the revenue proposals made by the Governor in his budget proposal. The committee believes that without the revenue provided through those proposals PSU faces a future of limited enrollment and function.

"We've stretched and stretched, and we can't stretch any more," says Donald Parker, dean of PSU's School of Business Administration.

"We have to preserve educational quality, and we can no longer serve our students on a strict first-come, first-served basis," commented Chik Erzurumlu, head of PSU's Division of Engineering.

Due to sharply increased demand for education in Business Administration and in Engineering, at a time when further budget cuts for PSU loom large, the two disciplines are proposing the establishment of new rules requiring formal admission to upper-division study.

Under this proposal, enrollment ceilings would be put into effect this fall term. If the proposal is approved, and there are more eligible upper-division students who wish to continue pursuing degrees in either of these majors than can be accommodated at that time, students will be expected to compete for the limited spaces available.

A continuing problem for the two high-demand disciplines has been that certain of their eligible students who have fulfilled course prerequisites for upper-division work, have been crowded out of needed classes by others who have not yet fulfilled theirs.

The precise effects which the new selective admissions policies will have on students this fall is unknown. But memories of what happened last fall are still fresh, when an estimated 1,000 students in Business Administration, and another 700 in the Division of Engineering, found they were unable to get the courses they wanted.

Whether or not the prospective or continuing upper-division students agree with the new enrollment ceilings, at least guidelines may be in effect this fall which everyone can follow.

In Engineering, students wishing to be admitted to upper-division standing next fall may have to prove their eligibility to do so prior to June 15. Commented Erzurumlu, "We



Photo by Laura Jacobson

Observing the engineering department's computer facilities was one activity set up for prospective students visiting from area high schools at PSU's Intro '81 in early March. Greatest interest was in the already-high-demand schools of business administration and engineering.

need to serve the students who have the best preparation and background to pursue upper-division course work in engineering."

In very general terms, the proposed eligibility requirements for both disciplines mean that prospective or continuing upper-division majors must achieve a minimum grade point average of 2.5 in a designated set of courses and credits in Business Administration. In Engineering, a minimum GPA of 2.25 in Engineering courses (with no grades lower than "C") must be achieved, plus a minimum cumulative GPA of 2.0 in a designated set of mathematics and science courses.

In both disciplines, provision is being made for students who, for a variety of reasons, cannot meet a rigid application of all of these selective admission procedures. Such students may petition committees which are being set up in each subject area to evaluate each student's total record, to see if it justifies granting admission.

Budget cuts affect faculty recruitment

One aspect of the news surrounding Oregon's budget problems and their impact on Portland State is that they present added obstacles for academic officials to surmount in recruiting potential faculty.

Even with budget cuts, there are academic areas in which some positions must be filled and academic recruiting is a constant process at PSU, even if the tempo varies.

One of the key people in the recruiting process at PSU is John Gruber, Vice President for Academic Affairs. Gruber himself was recruited to the Portland area last year, just prior to the onset of the immediate budget problems.

"Certainly," he says, "people may not be anxious to come to a situation where it is unclear what the financial resources will be to help support

research and scholarly activities." However, he adds, the exact effect of the state's fiscal problems on a potential faculty member's decision is impossible to guess.

"We still hold to the belief," Gruber says, "that the long range opportunities at Portland State are favorable." He also points out that budget uncertainties are a fact of academic life nationally, not just in the Northwest or at Portland State.

Two academic areas in which there is faculty recruitment activity are engineering and business administration. "We do see concern with finances there," Gruber says, "but to what extent, we can't say."

The University also is conducting a national search for a Dean of the College of Science.

Training program benefits providers and day care children

by Laura Jacobson

All of us pay for day care — either by providing quality programs for our children directly, or indirectly through the social costs we pay when children aren't properly cared for.

Since 1970, women in the Oregon labor force with children under six have almost doubled. An estimated 70,000, or nearly half (48 percent) of all Oregon women 16 and over, now fit in this category, according to the Oregon State Employment Division projections for 1981. This trend has outstripped the availability of child day care in Oregon.

Some aspects of child day care contributing to this shortage are seldom considered. There is a high turnover among those who provide licensed family day care. Because of the nature of the work, providers often become disillusioned. Isolated. They have no one to share their concerns and problems with. No support systems to bail them out. In Oregon, the state-wide turn-over rate is now approaching 80 percent per year. Because there is a built-in support system present in most day care centers, they have a slightly lower rate of 45 percent.

For many families, the concern over availability of child care is matched by a concern about the quality of the care. Unfortunately, most family day care providers have had little or no formal training.

But this year, a model training program in the Portland metropolitan area is addressing both of these needs.



Trainee, Rita Pierce, assists in classroom at PSU's Helen Gordon Child Development Center, as a participant in a new CETA-funded program to improve quality and quantity of child day care in Portland.

Until last September, Rita Pierce, 21, was home with a child, had no readily saleable skills, and was living on welfare.

Since then, Rita has been employed as an apprentice in a new training program which has taken her from classroom to the Helen Gordon Child Development Center at Portland State University. The center is the site of a pre-school / kindergarten program that also serves as a lab school for PSU. Rita observes how classes are run, plans projects for children, and has lots of opportunity to try out ideas and ask questions of the specialists who work there.

Rita is one of 30 people training to become a family day care provider through the pilot program called the Child Care Demonstration Project. Funded by the City of Portland Employment and Training Agency (CETA), the program, which runs from September 1980 to September 1981, has taken these people off the welfare rolls and is providing them with training so they can become qualified family day care providers in their own homes or in centers.

The training program is run through the cooperative effort of a consortium which includes the Child Care Coordinating Council (4-C's), Multnomah County, Portland Community College, Portland Public Schools, Portland State (Helen Gordon Child Development Center), St. Vincent De Paul Child Development Center, and YMCA of Columbia-Willamette.

The year-long training program is divided into two sections: four weeks of classroom instruction through Portland Community College, followed by four weeks of practical experience at St. Vincent's Day Care Center in Northeast Portland or the Helen Gordon Center. Then, for the next seven months they care for children in their home or at centers while receiving a \$669 monthly wage. Trainers continue to meet with trainees in their new working environments, according to Marilyn Ballinger, Project Coordinator.

Unique to the project is the idea of paying child care workers a salary they can depend on while they're getting started. One factor contributing to high turnover rates among providers is that they could not count on enough income from month to month as the number of children in care fluctuated.

Referrals of children who need care are made to the women through the council. After nine months in the program, the CETA worker finishes with 36 hours of credit and a certificate in child care from Portland Community College.

"This project is really innovative in terms of child care programming," explained Margaret Browning, Director of the Helen Gordon Center. "Most family day care providers, unless they have the initiative and actively seek out training for themselves, don't have any kind of formal training. Those who have gone through the training have a big advantage. One of the basic truths of this program is improving the quality of day care in the Portland area."

"We (the Center) see ourselves as trying to serve the community as much as possible. Part of the reason that we were interested in getting involved in this project is that we'd be able to take trainees from the community that we otherwise wouldn't have contact with," Browning added.

As a natural offshoot of classroom training, this project also offers a support network for these soon-to-be day care providers. Trainers hold monthly meetings for all trainees to come together. "This is really nice for the trainees because it gives them an opportunity to widen their social, as well as their professional, circles," noted Ballinger.

Armed with an initial \$537,671 grant, the project originally set out to train 38 day care providers. However, due to the hiring freeze imposed on federal agencies by President Reagan's Administration, 30 rather than the planned 38 will participate in this year's program.

Referring to Helen Gordon Center's participation in the program, Ballinger said, "It's a real plus for us to have access to this kind of quality institutional setting. It's also a real plus for the trainees to have access to the experiences they get while in this building. . . . The program here is federally licensed and provides a fine complement to the classroom component of the training. What they see here reinforces what they hear in the classroom."

RAISED-BED GARDENING

the Peter Chan Way

by Laura Jacobson

For centuries, Asian and European gardeners have been growing vegetables in raised earth beds or mounds. Today, this system of intensive cultivation is beginning to catch on with American gardeners. One of its advantages is that gardeners can grow more and better vegetables in less space. Plus, planting crops in raised beds lets you plant, weed, and harvest the vegetables without having to walk on the planted soil.

One of the best raised-bed gardens in the country belongs to Peter and Sylvia Chan of Southeast Portland. Peter and Sylvia formerly lived in Canton, a southern province in mainland China, where the ancient mound-planting system is still widely used. Peter, then a plant pathologist at an agricultural college near Canton, moved with his wife and three sons to Portland in 1967. He is now a research technician for the Biology Department at Portland State, in charge of the experimental greenhouses.

Back in 1968, when the Chans began planning their back yard garden, they first had to contend with an unwanted crop of rocks and small boulders. "The garden seemed to be built on a riverbed or gravel pit. All

our neighbors said, 'Don't waste your time.' " But by 1975, the Chan family's garden had placed first among 1,400 entries from 13 western states in *Sunset* magazine's contest.

The family's 30 by 50-foot garden has since been visited regularly by national garden writers, home gardeners from across the country, and groups from various garden clubs. Peter has also co-authored a beautifully-photographed gardening book with Spencer Gill, **Better Vegetable Gardening the Chinese Way**, which describes and illustrates the raised-bed method in handsome detail.

Using the raised-bed method, the Chans find they can garden actively from February until the early part of December — a significant extension of the Pacific Northwest growing season, which usually runs from May to September. With raised beds, the sun strikes more soil surface, warming the earth and encouraging seed germination earlier in the year. The Chans begin in February with peas, and follow with lettuce in March. At that time, other Northwest gardens are still soggy and cold from winter rains. But the mounds drain quickly, so that even after a rain the

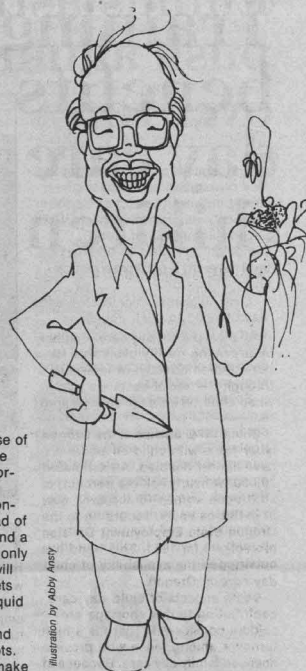
water sinks into the soil. Because of this, the beds dry faster and are ready to work long before the ordinary flat garden space.

The mounds also serve to conserve water and fertilizer. Instead of spreading these essentials around a large plot, you water and enrich only the narrow area where plants will grow. The soil in the mound gets richer over the years. Runoff liquid and nutrients are caught in the furrows beside each mound, and eventually sink down to the roots. Walking on the adjacent paths make them harder with time, discouraging even the growth of weeds in the nutrient-poor soil.

To build such a garden, you can start as soon as the soil is workable, which may be as early as March. Next year, when the mounds are established, you'll be able to cultivate the garden and begin planting in February.

Good soil preparation is the key to this garden's success. First, the location of each bed is marked off with twine. The width of each mound should be 4 feet wide at the base. Starting at the center of the bed, begin turning the soil to a depth of 10 or 12 inches. Break down soil

Illustration by Abby Asay



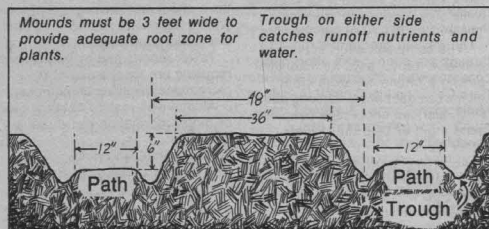
clumps and work in organic material until one-third to one-half of the top soil is additive.

Make each mound about 6 inches high and 3 feet wide at the top, tapering to a four-foot-wide base (see illustration). Then rake the top to smooth it, removing rocks and other debris as you go.

This may sound like a lot of work to get started, but keep in mind that once it is established, a raised bed is permanent. "One of the most important things for us," says Peter, "apart from the good yields and the quality of our vegetables, is the way the raised beds make the garden beautiful."

"In China, there is an old saying: If you wish to be happy for a few hours, drink wine until your head spins pleasantly; if you wish to be happy for a few days, get married and hide away; if you wish to be happy for a week, roast a tender pig and have a feast; if you wish to be happy all your life, become a gardener."

PSU's Alumni Office, together with the Division of Continuing Education, will sponsor two gardening classes with Peter Chan this Spring. For more details, see page 7.



Enthusiastic volunteers push alumni campaign over top

Evidence that PSU's alumni are developing an increasingly strong network of support for the University is apparent, as PSU's Second annual alumni fund campaign continues to brighten the University's otherwise cloudy financial horizon.

Over 50 alumni volunteers already have helped to push donations beyond this year's campaign goal of \$35,000, as the total collected in cash and pledges inches tantalizingly closer to \$40,000.

Several reasons account for such a successful fund drive this year, according to campaign chairman, Lee Koehn ('73), vice president and general manager of Foote-Waldron, an executive recruiting firm in Portland. "We made it fun for the volunteers by having group phoneathons, and keeping them posted on results throughout the



Lee Koehn, chairman of Alumni Fund II

tributed \$13,000 in cash and pledges. Another \$2,500 resulted from the first campaign mailing in January, and another \$2,000 in miscellaneous gifts also was donated.

The enthusiastic work of alumni volunteers was the key to success in surpassing this year's campaign goal, agreed division head, Tony Kirchhof ('67 & '69 MBA). He explains that he got involved with PSU's alumni campaign "primarily because I feel I owe something to PSU for a fine undergraduate and graduate education." Kirchhof, an attorney for Louisiana-Pacific Corporation, says, "The campaign gave me an opportunity to meet other alumni in Portland, and to re-establish contacts with some old friends."

"I feel PSU has a lot to offer the community, and I don't want that to be hampered by a lack of funding," says John Kinman ('69), also a division head this year.

Kinman, recently promoted to Manager of the Organization and Personnel Division at U.S. National Bank, says of his years at Portland State, "One aspect of PSU that I found very valuable was the working world mixing with the teaching profession."

"When I was in business school, we often had speakers who were practicing what we were learning. Many students tended to be working while they were going to school... Theory was balanced with real life."

"The campaign offer acts as a cohesive force," says Kinman. Just getting a phone call from other alumni can get people thinking about PSU, and can encourage people to send a gift or help the University in other ways."

According to Koehn, "Without future alumni involvement and support, PSU would no longer be a top educational institution." Funds raised by the campaign "support

educational needs not provided by state funding... and the more support we get from alumni who are members of the community, the more visibility PSU receives," he stressed.

Funds raised by the campaign will be used for library resources, classroom and laboratory equipment, faculty development and research, as well as student support through scholarships and graduate assistantships.

Contributions may be mailed to:
PSU Foundation
P.O. Box 243
Portland, OR 97207

Big demand for benefits of ABC Card

"A total of 175 Alumni Benefits Cards (ABC cards) have been sold, with another 150 requests asking for more information," says Robert Tayler, Director of PSU's Alumni Office.

The card, offered as part of the newly-developed Alumni Benefits Program at PSU, offers reduced rates for area cultural and athletic events, discount auto rentals, library book check-out privileges, continuing education courses and campus parking privileges.

Tayler reports that by far the most requests are for the use of the recreational facilities on campus.

Alumni who wish to obtain a card or more information can direct inquiries to:

Portland State University,
PSU Alumni Office, P.O. Box 751,
Portland, OR 97207.

Special classes offered for alumni

Some interesting non-credit courses, including small business management, French language and cooking classes, and Chinese gardening will be offered Spring term by the PSU Alumni Office in cooperation with the Division of Continuing Education.

The **SMALL BUSINESS MANAGEMENT SKILLS** class, designed for those who have experience in small business management, will provide information and skills which may help one's business

Topics include goal-setting and prosper, and introduces services available when help is needed, marketing, financial accounting and taxes, financing and money management, inventory control and purchasing, retail shrink, data processing and the small computer, government regulations and structuring for growth. The course, taught by Stan Amy and Molly Ackley-Cook, is limited to 30 participants, with single-session admissions allowed on a space-available basis. The course will be held at 103 Cramer Hall, PSU Campus, Thursdays, April 30 to June 18, from 7 p.m. to 9:45 p.m. Fee is \$95. Registration closes April 24.

FRENCH CULTURE AND CUISINE is an introduction to French culture via the cuisine of different provinces of France. Included will be preparation of dishes from different regions, sampling of wines, and learning about the local culture and how it is reflected in French dining. At least one visit to a French restaurant will be featured to witness cooking techniques in action. Students will share costs of food and wine. Instructor Mary Carroll Dremann of Sunasu International has taught French cooking and nutrition in San Diego and San Francisco. Fee is \$70. Classes begin Thursday, April 30, and extend through May 27, from 7 p.m. to 9:45 p.m., at Sunasu International, 7827 SW 30th, #25.

FRENCH FOR TRAVELERS is an introduction to contemporary French language and culture, and is designed to develop an understanding of the basics of getting around (transportation, maps, etc.), shopping, ordering from menus in French, and learning from French films and comic books. Mary Carroll Dremann, M.A., has studied at the Université de Paris-Sorbonne and at Institut d'Etudes Européennes in Paris, and taught language at San

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drive. Returnees from last year's campaign brought experience with this," added Koehn, "and there was good team effort which made it easier on each individual."

Division chairpersons working with Koehn on the drive are Debbie Bartlett, Meier & Frank; John Kinman, U.S. National Bank; Tony Kirchhof, Louisiana-Pacific; Sonja Riuhimaki, Peat Marwick and Mitchell; Linnea Swanson, First National Bank of Oregon; Larry Thompson, Paulson Investment Co.; and Wayne Warren, Tektronix, Inc.

During October this group, along with other volunteers, raised \$17,000 in pledges with a personal solicitation program.

Over 200 students participated in the phonathon this year, which ran from Nov. 5 through Nov. 20. Their efforts to telephone PSU alumni can-

Calendar

APRIL

15

LECTURE/DISCUSSION — "Nazi Literary Policies," Jorg Thunecke. Call: 229-3487. 461 Neuberger, 1 pm, Free.

16, 21, 23, 28

SELF DEFENSE — An introductory session at Noon in 11 Neuberger will precede the three later 2-hour skill instruction sessions. Call Kathy Ira at 4401 for information & location of the skill sessions.

17

POETRY — Robert Peterson will read from his own work. Call 229-4452. 53 Cramer Hall, 8 pm, Free.

17-18

DRAMA — "The Browning Version," by Terence Rattigan covers the evening before the final graduation of an aging schoolmaster. 115 Lincoln Hall, 8 pm, Free.

19

CONCERT — Internationally celebrated violinist, John Graham, will appear in concert with The Florestan Trio. Ticket info: 229-4440. Lincoln Hall Aud., 3 pm

22

LECTURE — "Nicaragua: Building a New Society," Huntly Collins, education reporter for The Oregonian. WAC members \$3; nonmembers \$4. Call: 229-3049. K-House, 5:30 pm.

25

MUSIC — Pianist Peter Serkin will perform works of Stravinsky, Chopin, Haydn, Wolpe & Ravel. General admission \$6; Students \$4. Call 229-4440. Lincoln Hall Aud., 8 pm.

26

MUSIC — Portland Wind Ensemble Concert. Gordon Solle, conductor. Soloists: Anthony Plog, trumpet, Sharon Davis, piano. General admission \$2.50; Students, senior citizens \$1.50. Call 229-4440. Lincoln Hall Aud., 3 pm.

28-May 15

LITTMAN GALLERY — "Works from the Metropolitan Art Commission's Permanent Collection." Opening reception & awarding of the MAC Arts Awards April 28, 7-9 pm. Regular gallery hours: Mon-Fri., 12-6 pm. 250 Smith Center, 229-3020.

28-May 15

WHITE GALLERY — An exhibit by Mark Rabiner. Opening reception, April 28, 7-9 pm. Regular gallery hours 8 am-10 pm Mon-Fri.

29

LECTURE — "A New Era in U.S.-Japanese Economic Relationship," Mr. Koel Narusawa, Economic Advisor to the President of Bank of Tokyo. Call: 229-3049. \$8 WAC members; \$9 nonmembers. Noon, Multnomah Athletic Club.

30

LECTURE/DISCUSSION — "Holistic Healing," David Ernst, MD. Energetics Counseling Center. Call: 229-3462. Noon, 11 Neuberger, Free.

30

MUSIC — The Woodwind Conspiracy in concert. Call 229-3011 for admission info. Koinonia House (Montgomery/Broadway), 8 pm.

MAY

7

LECTURE/DISCUSSION — "Sexual Dysfunctions and Treatment," Jacqueline Brockway, Ph.D., Psychologist. Noon, 11 Neuberger, Free.

7

MUSIC — PSU Piano Recital Series performer, Shura Cherkassky. Call 229-4440/4076. \$6 General; \$4 Students. Lincoln Hall Aud., 8 pm.

14

LECTURE/DISCUSSION — "Enhancing Your Sexuality: Physiological & Psychological Perimeters," Michael Warner, D.C., Gestalt Therapist. Noon, 11 Neuberger, Free.

14

LECTURE — "The History of Criminal Justice," Lawrence Friedman, J.P., Stanford School of Law. Call 229-4928. 53 Cramer, 8 pm, Free.

21

DRAMA — "Take a Card, Any Card," a one act play by Martin Kimmelford

21

LECTURE/DISCUSSION — "Incest: The Broken Taboo," Robert Gross, M.D., Psychiatrist, PSU Student Health Service. Noon, 11 Neuberger, Free. dealing warmly with the relationship of a handicapped child to his "normal" parents & society. Call 229-4601 for information.

25

LECTURE — "Christology & Jewish-Christian Relations," Rosemary Ruether, Professor of Theology, Garrett Evangelical Seminary. Call 229-4928. Koinonia House, 8 pm, Free.

26

LECTURE — "Christology & Feminism," Rosemary Ruether, Theology, Garrett Evangelical Seminary. Call 229-4928. Koinonia House, 4 pm, Free.

28

LECTURE/DISCUSSION — "Male Sexuality," Loren Wolfford, MA, Clackamas Community College. Noon, 11 Neuberger Hall, Free.

29-30 (& June 4-6)

DRAMA — "The Effects of Gamma Rays on Man-in-the-Moon Marigolds," Paul Zindell's prize winning production. \$3.50 General; \$2.50 Students, Senior Citizens. Call 229-4440 for ticket info. Lincoln Hall Aud., 8 pm.

Spring classes

Continued from page 6

Diego State University. Fee is \$70. Classes will be held from May 13 to June 10, 7 p.m. to 9:45 p.m. at Sunasia International, 7827 SW 30th, #25.

Two classes in **CHINESE GARDENING** will be offered this Spring by master gardener and PSU professor emeritus, Peter Chan. Chan, who is featured in the current issues of **Better Homes and Gardens** and **Sunset**, will focus on the Chinese method of raised-bed gardening when he presents slide lectures and a tour of the Chan garden. The three-part class is being offered May 5, 7 and 9. Cost is \$19.95 per person. Classes begin April 7 at 7 p.m. on the PSU campus.

Cost is \$19.95 per person. Classes begin April 7 at 7 p.m. on the PSU campus.

For enrollment information, call the PSU Office of Alumni Relations, 229-4948.



Peter Serkin

PSU Piano Series with:

Peter Serkin and Shura Cherkassky.

Two artists remain in the current Portland State University Piano Series, Peter Serkin, on April 25, and Shura Cherkassky on May 7. Both recitals are scheduled for 8 p.m. in the University's Lincoln Hall Auditorium.

Serkin has established himself as a pianist whose musical sympathies are broader than those of virtually any young musician of recent memory. His playing, whether Mozart or Schoenberg, is marked with a deep understanding. He has

been equally acclaimed for his performances with major symphony orchestras and as a solo recitalist.

At PSU Serkin has selected a varied program including works by Stravinsky, Chopin, Haydn, Wolpe, and Ravel.

Final artist in this year's series is Shura Cherkassky, the legendary Russian pianist whose active playing career began in 1923. He has earned the respect and admiration of musicians and music lovers on nearly every continent. This year he celebrates his 70th birthday by playing a series of recitals at New York's Kaufman Concert Hall.

Cherkassky will feature works by Busoni, Liszt, Tchaikovsky, Balakirev, Mana-Zucca, and Johann Strauss-Godowsky.

Tickets for the performances are available from the PSU Box Office. Information regarding next year's piano series will be announced during the summer.

alumni notes

Your classmates may have known what you were doing as a student at PSU, but . . . what are you doing for the rest of your life?

For all alumni of PSU, "Alumni Notes" is an opportunity to let fellow classmates know what you are doing these days.

Share information about yourself with other PSU graduates, whether you are coaching little league or are the president of M.I.T.

Be a part of Alumni Notes. To submit information, contact the Alumni Office at 229-4948 or drop a postcard to PSU Alumni Office; P.O. Box 751; Portland, OR 97207.

Vanport

Jack L. Bogan recently retired as a Lane County employee. He is married to **Maryellen Bogan** (Vanport). They live in Eugene, where Maryellen is a substitute teacher for the Eugene School District.

Alvin Hoerauf is the principal of McKinley Elementary School in Salem, Ore.

Ray Lokting is a commercial sales representative for the Ed Malone Insurance Agency. Lokting and his family live in Northwest Portland.

50's

Lynn Haldeman ('58) is a professional accordionist, well known to many Portlanders. He is an experienced keyboard instructor and teaches music in the Portland public school system.

60's

Wayne Atteberry ('62) has been appointed to the Portland Metropolitan Area Boundary Commission by Gov. Vic Atiyeh. Purpose of the Commission is to guide the growth of cities, special service districts, and privately-owned community systems.

Arthur Bloom ('68) is a senior sanitarian for Multnomah County Health Sanitation, with the Oregon Department of Human Services, and serves as chairman of the state Sanitarians Registration Board.

Huntly Collins ('69) education writer for *The Oregonian*, has won the

grand award of the National School Board Association's competition for daily newspaper reporting on education. Her winning entry was an article on Portland's Adams High School. She will receive the award and plaque at a convention in Dallas, Tex. in April.

Bill Deiz ('68), formerly newsman for KOIN-TV in Portland and now with KPIX-TV, San Francisco, has become familiar to national TV audiences as the reporter/narrator for a syndicated 30-minute news special on the eruption of Mount St. Helens. "Eruption: St. Helens Explodes" is the only syndicated television special available on the volcano and will soon be available on home video cassette.

Donald Desimini ('62) has been named executive vice president for corporate finance at Evans Products in Portland.

Robert Free ('67) is sole proprietor of On-Site Wastewater Systems in

Bend, Ore., a consulting business dealing with subsurface disposal. He currently serves on the state Sanitarians Registration Board and previously was the regional director of the Oregon Environmental Health Association.

Arnold Goldberg ('65) is the training coordinator for the Social Security Disability Program. He serves on the Board of Directors for the Mid-Willamette Valley Council of Governments and Marion County Fire District I. Goldberg also teaches emergency medical procedures classes.

Steven Ickes ('68) has been appointed to serve on the Oregon State Employment and Training Council. The Eugene resident is the Lane County Employment and Training Department director.

John Lightowler ('67) is vice president of finance with E.G. Stassens, a Portland realty firm. Previously, he worked for Pope and Talbot, and with Price Waterhouse and Company in Portland.

Gladys McCoy ('67) has become presiding officer of the Board of Multnomah County Commissioners in Portland.

David McGowan ('69) is the director of finance for the city of Bethel, located near Anchorage, Alaska. He was formerly with the Burnside Consortium in Portland.

Jim Perse ('64) is an accountant for Aramco Oil Company in Saudi Arabia.

Elinor Pierce ('64) has been invited to teach arts and crafts to school children in Linbe, Haiti. Pierce, who has taught in the Portland area for many years, began her new teaching assignment in January.

Michael Schunk ('64) has been named to the State Commission on Organized Crime by Gov. Atiyeh. He is currently Multnomah County District Attorney.

Comedian on his way to fame and fortune

by Carla Kelly

"I think I've always been a funny guy," says Rick Reynolds ('79), winner of radio station KKS's "Laugh Off" held in Portland's Euphoria Tavern last fall. With that conviction, the "funniest man in Oregon" has headed for the bright lights of San Francisco to begin what he hopes will be a successful career in comedy.

Reynolds, until February, worked as a computer operator for First National Bank, wrote about television for *Willamette Week*, and was a KATU-TV employee.

The 29-year-old comic, who wrote his first standup routine only last fall, was received by an enthusiastic audience during the course of the KKS competition, which lasted from September to December.

Appearing several times, Reynolds was met with a response he termed as "tumultuous."

As winner of the comedy contest, he was awarded club dates at both The Punch Line in San Francisco and The Comedy Store in Los Angeles. Other agents and managers who saw his talent potentially lined him up for several comedy spots in San Francisco. He also cut some commercials in Portland — one for CODA (Comprehensive Options for Drug Abusers, Inc.) and one

for Nofziger's Shoes — to be shown on local television.



Rick Reynolds

The self-proclaimed "class clown" of his 1970 Reynolds High School graduating class began his career in humor as student editor of the high school paper. A humor column, entitled "Reynolds Ranks Reynolds," in which he pointed out the district's administrative deficiencies, won him guffaws, but was so controversial that it was banned, he said. The senior class voted him "best actor" and, of course, "most talkative."

While still a student at PSU, Reynolds and some friends put together *The Oregonite*, a parody of *The Oregonian* newspaper. The paper sold well, although it lasted for only three issues.

Last fall, Reynolds worked out a comedy routine with the help of a videotape recorder, and he was performing a few weeks later. To further refine his act, Reynolds appeared at several comedy spots in Portland. During one appearance, he was billed with three professional comics from San Francisco who encouraged him to "go pro." San Francisco, they recommended, would provide a much better chance for a comedian to earn a living because there are more outlets for such talent.

"I think interest in local comedy talent is growing in Portland," says Reynolds, and predicts that professional comedy spots will soon be available. But for now, a guy just breaking into "show biz" has to go where the action is.

Charles Scott ('67, '69 MS) is the assistant dean of instruction for science, math and engineering at Clackamas Community College. He has been with the college for 12 years and lives with his family in Gladstone.

Janice Wilson ('69) is a vice president with First National Bank and is currently the manager of the Walnut Park branch in Portland.

70's

Joe B. Andrus ('70) has been named Coordinator of the city of Portland's Office of Emergency Services.

His office advises the mayor and oversees emergency planning and communications for the city in times of crises or disaster.

A graduate of PSU in urban studies, Andrus most recently worked as a field representative for the state Bureau of Labor.

Greg Baker ('77) is deputy director of finance and administration for the Port of Astoria. Previously he supervised the Port's revolving fund for the state Economic Development Department.

Peter Barbur ('74) is a case coordinator for mental health services at Providence Hospital in Portland.

Steven L. Campbell ('74) is employed with Pacific Northwest Bell, Portland, where he is responsible for coordinating advertising.

Sharon Carufel ('75) has returned from a year of study at the University of Durham, England as a Rotary Foundation Fellow. She is presently employed at Riley Creek Middle School, Gold Beach, Ore., where she operates a resource room for the handicapped.

Ann Cavanaugh ('71) is special education instructor at Naselle-Grays River Valley Schools in Washington state. She previously taught in Beaverton and The Dalles, Ore.

Tanya Collier ('74) is Multnomah County's lobbyist and acting director of the Department of Intergovernmental Relations. Previously she served as assistant county lobbyist, and has been a staff assistant to former County Commissioner Barbara Roberts. She also lobbied for day care support from 1976 to 1978.



C. Norman Winningstad ('73 MBA), president of Floating Point Systems, Inc., Beaverton, has been named "Small-Business Man of the Year" by the Small Business Administration (SBA).

Winningstad, who started the company in 1970, found a need that had to be filled in the mushrooming computer field. He explains that while business computers are designed to

be efficient at processing information, scientists and engineers need an efficient "numbers cruncher" to perform millions of calculations in a short time. In answer of that need, they now have a choice of buying a multi-million dollar main-frame computer, or its comparatively low-cost counterpart, the array processor, manufactured by Floating Point.

Obviously, the numbers cruncher is catching on. Floating Point Systems has grown 50 times in the past five years, and grossed \$42 million in sales last year. The company produces a payroll that injects about \$1 million into the local economy each month, according to Winningstad.

Winningstad will be officially recognized by SBA during Small Business Week, May 10-16.

Phyllis Commeree ('78) is the director of nursing service at the Lebanon Community Hospital, Lebanon, Ore. She recently transferred from Emanuel Hospital in Portland, where she served as nursing supervisor and nursing coordinator in the Emanuel Rehabilitation Center. Prior to that, she worked at Dwyer Memorial Hospital in Portland.

James C. Corcoran ('73) is a sales representative for Fraser Paper Company in Portland.

Rudolph Cunningham ('73) is an assistance worker for the Oregon Adult and Family Services Division in Portland.

Prudence Douglas ('70) is an instructor in English as a Second Language program at PSU. She served as an advisor 15 years ago when the program began. She has also started a class that shows ESL teachers how to teach the specialty.

Norman Eder ('75 MS) has started a consulting firm in Portland called Issues Research which specializes in health care issues and policies. He formerly was in business in Chicago.

Daniel C. Ellis ('73) has been appointed by Gov. Attyeh to the State Employment Relations Board, as management representative. Ellis is an attorney, and formerly was administrative assistant to former Multnomah County Commissioner Mel Gordon.

Dr. Jon Erickson ('73) is at residency at the Fort Sam Houston Burn Center in San Antonio, Tex., specializing in dermatology. He and his wife, **Jennene** ('70), live in San Antonio.

Rufino B. Flores ('71) is a Navy Lieutenant currently serving as supply officer of the dock landing ship USS Point Defiance, a unit of the U.S. Seventh Fleet. The ship's home port is San Diego, and it is deployed to the Western Pacific.

John Gardin ('75) is the new director of the Douglas County Council on Alcoholism. Previously he was coordinator of the Special Offenders Program in Douglas County, Ore.

Edward George ('73) is senior vice president with First State Bank in Portland.

Candy Cavanagh Giles ('71) is admissions control supervisor for Memorial Coliseum in Portland. She married David Giles last summer and has moved to a farm in the Hillsboro area.

Susan Greer ('72) is water project supervisor for the city of Sheridan, Ore. Previously she was assistant planner with Yamhill County.

Donna Haines ('70) is the work experience counselor for Placement Services at PSU. Formerly, she was a job counselor with the Oregon State Employment Division. She is married to **Jerry Haines** ('76) and lives in Portland.

Dennis Howell ('73) is marketing manager for industrial accounts at Pacific Northwest Bell in Portland.

Jeanette Keeger ('79) works for the accounting firm of Peat, Marwick & Mitchell Co., and resides in Portland.

Dennis King ('70) owns The Veritable Quandary Tavern in Portland.

Sharon LaHaie ('76) is coordinator of the Southern Oregon Pain Center, and has a private consulting practice in Roseburg, Ore.

John Lansford ('75) has his own real estate business, New Heritage Properties, in Washougal, Wash. He formerly worked as branch manager of United Properties in Camas, Wash.

Charles R. Leonard ('75) is a fireman for the City of Portland assigned to the North Portland area.

Frank Lockwood ('76) is sales and service representative for copy machines at Downs Supply, Inc. in Hermiston, Ore. where he has lived for the past four years. Previously, he was service manager for Mountain Copy Machines, Pendleton, Ore.

Thomas Lucas ('74) is the director of water quality planning for the Oregon State Department of Environmental Quality in Portland.

Robert MacIvreen ('76) is practicing general dentistry with Dr. Robert L. Anderson at the Portland Medical Center. After obtaining his B.S. in biology at PSU, MacIvreen was accepted to the U of O Dental School. He studied at Guy's Hospital in London on a summer scholarship in 1979, where he was involved in oral surgery and pathology. In 1980, he studied at the L.D. Panky Institute, University of Miami Medical School, on a scholarship.

Joseph P. Medley ('77) is a Lutheran pastor, and recently received a Master of Divinity degree in Minnesota. His first assignment is as an assistant pastor of a church in Seattle, Wash., where he lives.

80's

John Becker ('80) has been named the 1981 State Finance Chairman for the Oregon Republican Party. In addition, he was selected as the Outstanding Young Republican of Oregon for 1980.

Anne Cassidy ('80 MS) is on a three-year research grant to develop an outdoor education program for handicapped people at the University of Kentucky in Lexington.

James A. Cronin ('65, '80) is Transportation Editor of *The Daily Journal of Commerce*, Portland. Cronin formerly was news and science editor of *The Vanguard* and also contributed articles to *Perspective*.

Jennifer Curtin ('80) is a teacher with the Lincoln County School District on the Oregon coast.

Mary Fishler ('80) has been invited to teach English as a Second Language at the Youth Academy in Sapporo, Japan.

Barton Hadder ('80 MST) is a life science teacher at Whitford Intermediate School in Beaverton, Ore.

Alan Kolibaba ('80) recently returned from a six-month stay in West Germany, where he lived and farmed with seven host families as an International 4-H Youth Exchange representative.

As one of two Oregonians chosen to participate in this year's exchange, the 23 year old communications graduate said he found

farm life in Germany quite different from that in Oregon. Although similar in size, West Germany has 60 million people to Oregon's 3 million. The average American farm is 380 acres compared to an average 10 to 40 acres in West Germany.

"I think the exchange program promotes understanding," Kolibaba said. "It reduces stereotype ideas of Americans."

After returning to Oregon in December, Kolibaba spent two months traveling to 4-H programs around the state reporting on his experience.

He is currently employed as a requisition specialist in the Grant Services Department of the PSU Business Office.

Megan McDonald ('80) married PSU student Tim Baltus Jan. 24 in Portland.

Mike Mueller ('80) is an engineer with Frye Electronics in Tigard, Ore. He is an avid skier and lives in Southwest Portland with his family.

Stephen Mundorff ('80) works for Colorado Utility and Electric. The former Portland General Electric employee was recently married and lives in Montrose, Colo.

Hugh Penland ('80) is an underwriter with Bankers Life Nebraska, and lives in Northwest Portland.

Joan Polson ('79, '80 MS) is a speech pathologist with the Portland Public Schools.

Raymond Slebos ('74, '80 MST) is a physical education teacher at Sellwood Middle School in Portland.

Alumni Public Affairs Committee speaks out for PSU

The ill wind of the state's fiscal crisis has blown at least some good toward Portland State. An action-oriented group of alumni has begun a state-wide organizational effort to establish a network of support for PSU.

It's an effort, according to Chairperson Molly Ackley-Cook ('74), that will continue paying dividends to the University and its graduates for years to come.

Calling themselves the Alumni Public Affairs Committee, the seven PSU graduates want to develop an organization "to really represent Portland State's alumni through alumni," Ackley-Cook said. "We want to become a real voice of PSU alumni for the University."

The first task for the Public Affairs Committee centers on preserving financial support for PSU during the current legislative session. The committee is contacting alumni in key legislative districts around the state to establish an informational network to let legislators know the level of concern for PSU.

Although the Public Affairs Committee's main concern is the welfare of PSU in the face of the state's reduced revenue, Ackley-Cook says that developing networks of support for PSU will extend far beyond the problems of today.

The alumni committee has discussed helping the University build stronger ties with the business community and presenting an effective alumni voice on behalf of PSU before state agencies, including the State Board for Higher Education.

"We believe there are many graduates who feel as we do and who want to increase the visibility of the University in the community, both as part of the State System of Higher Education and as the unique urban institution which it is," Ackley-Cook said.

"President Blumel has said that development of a 'constituent voice' is of major importance," Ackley-Cook said, "and the committee agrees. With more than 20,000 graduates in the state, that voice should be a strong one."

The legislative strategy, according to the Public Affairs Committee, is to voice support for Governor Atiyeh's proposed budget and revenue package for higher education. Under that proposal, PSU would face some budget reductions (just under three percent). However, there are indications that much deeper budget cuts may be proposed by the legislature.

Members of the Public Affairs Committee are:

Molly Ackley-Cook ('74), Communications Consultant, Chairperson; Ronald Adams ('59), Marketing Department Commercial Manager, Pacific Northwest Bell, Salem; Charles Clemans ('56), Superintendent, Oregon City Schools; Rena Cusma ('69), Director, Multnomah County Environmental Services; Adam Davis ('74), Pollster, Northwest Attitudes; James Westwood ('67), attorney; and Janice Wilson ('69), Vice-President and Manager, First National Bank of Oregon.

First alumni scholarships soon to be announced

The PSU Alumni Scholars Program Committee has begun a series of meetings to determine the eventual winners of the University's first Alumni Scholarships. Nominations were accepted through March 15.

The scholarships, based on merit, are scheduled to be awarded for Fall term, 1981, according to David Belles ('60), committee chairman and executive vice president of First National Bank of Oregon.

Seven committee members will select a total of five winners, who each will receive a \$1,000

scholarship annually for each of four years spent at PSU, as long as certain academic requirements are met. "We plan to announce the winners in June, in time for their names to appear in the high school commencement exercise programs," explained Belles.

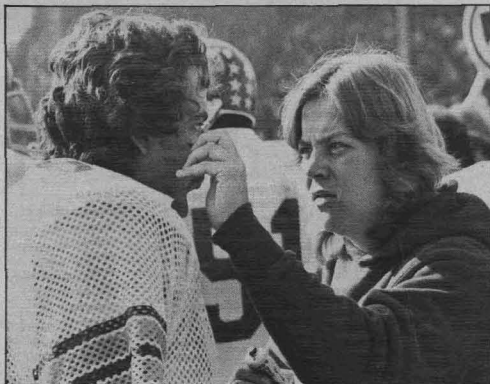
In an all-out effort to reach PSU alumni, teachers, counselors and administrators concerning the scholarship program, PSU's Alumni and Publications Offices mailed some 23,000 brochures in February to area homes and offices which explained the program.

Area high school counselors who are not PSU alumni also received a package of posters with an explanatory letter asking the educators to place the posters where their students could see them. A separate advertisement announcing the program also appeared in the January issue of *Perspective*.

Committee member Alan Kotz ('65), Portland insurance company owner, emphasized that the new scholarships will be awarded without regard to financial need. Scholarship applicants will be judged not only on the basis of S.A.T. scores and academic achievement, but on evidence of other demonstrated talents. The latter involves a subjective evaluation, according to Belles. Letters of recommendation and each student's personal interview before the committee also will figure prominently in the final selection, said Belles.

"I think a scholarship based on merit is wonderful," said Roosevelt Carter ('74), committee member. The operations manager for the Port of Portland also added, "I can think of high school students who are not athletically gifted or who don't meet financial need requirements, but who can qualify for a scholarship based on academic achievements. It says a lot to this type of person to reward him or her for hard work."

Fellow committee member Barbara Coit ('73), current president of the Multnomah County chapter of the American Cancer Society, said, "I'm looking forward to judging the applications. I hope we get some highly talented people to attend Portland State. It's not easy to find a scholarship to attend on merit — there aren't many any more. I have three grand children, so I know the cost of higher education."



Cheryle Lawrence

Athletic trainer finds challenge preventing injuries

by Carla Kelly

"I still think I'm in a dream," is how Cheryle Lawrence, Head Athletic Therapist at Willamette University in Salem, Oregon feels about her job. She's making contributions in a field new to women, and is "having the best time" doing it.

The 24-year old studied under Leo Marty in PSU's Athletic Trainer Program and received her MST degree in Health Sciences in June, 1980. Serving as a graduate assistant to Marty and supervising student interns in the area's high schools, she said, gave her the best possible preparation for the type of one-on-one teaching that is necessary in her work.

Now, as Head Therapist at Willamette, she is responsible for the prevention, treatment, and rehabilitation of injuries to Willamette University athletes. In addition to her activities as a therapist, she teaches classes in Health Science and coaches softball teams.

A dedicated professional, Lawrence is distressed at the large number of undiagnosed and misdiagnosed injuries she finds in athletes who have played high school sports. In the course of her work, she is discovering athletes who already have undergone corrective surgery at the ages of 15 and 16. She thinks that "kids are not being taught the correct techniques." She points out that the current popularity of "Pop Warner/Little League-type" sports is producing ruined elbows and injured shoulders in kids as young as 10 years old.

Her job can be frustrating when dealing with such pre-existing problems because she is left with the task of preventing further stress on weakened areas. The greatest percentage of these cases are to be found in women, she says, and attributes this to the fact that "fellas are paid more attention to" in high school sports, and the girls continue to be treated as a "separate entity."

Lawrence believes she can make a significant impact on the problem by preparing more trainers whose skills will be employed by school districts in the future. Currently, she is in charge of five students in Willamette's Athletic Training Program. Although students must complete their training at PSU, OSU or the U of O to be certified as Athletic Therapists, Lawrence added that she is working on establishing a certificate program at Willamette.

Estimating that there are three or four other women athletic trainers in the Northwest, Lawrence acknowledges that there are some unique problems associated with being a woman in a male-dominated field. However, she's entirely comfortable at Willamette, and she attributes that to the professionalism of the staff members, and to her own adherence to a highly professional attitude.

On staff since August, the enthusiastic trainer feels completely at home on Willamette's small campus, finding her colleagues compatible and the students a "joy" to work with. "If there's a job made in heaven," says Lawrence, "I think I've found it!"

In Memorium

Carl E.W.L. Dahlstrom, professor emeritus of English, passed away Wed., Feb. 25 at St. Vincent Hospital, Portland. His death at age 83 was attributed to cancer.

Dahlstrom taught English at PSU from 1949 until 1967, retiring as executive director of his department in 1961.

While at PSU, Dahlstrom established the Nina Mae Kellogg loan fund in memory of his wife, as well as the Frieda Wahlgren loan fund.

Interest from the Kellogg fund helped develop the Nina Mae Kellogg lecture series, as well as the Kellogg Student Awards in English. The awards have honored her memory and her life-long interest in language and letters for the past 16 years.

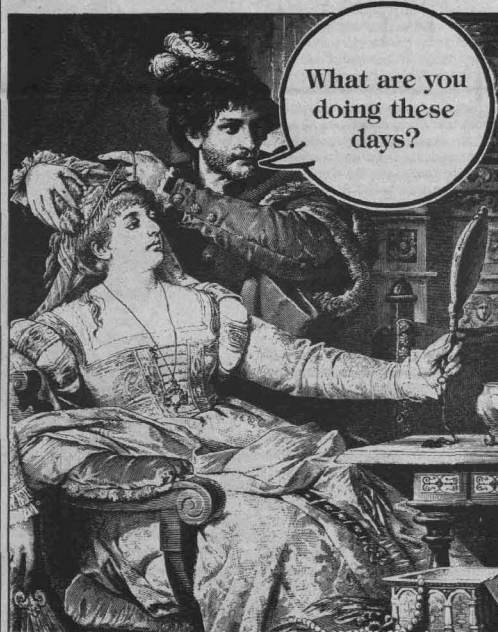
Known as a distinguished teacher and scholar at PSU, Dahlstrom specialized in comparative literature.

He is survived by a daughter in Seattle.

Ted Groves ('62) died suddenly of a heart attack in a Portland hospital April 2. He was 44. Groves worked as news producer of KOIN-TV's 5 p.m. newscasts, and formerly worked as a news reporter, photographer, assignment editor and co-anchorman for the Portland station. From 1970-1975, Groves also worked as a reporter and anchorman for a TV station in Houston, Texas. Surviving are two children, his mother, two sisters and a brother.

Sigma Delta Omega fraternity is throwing its Annual Alumni Reunion on Wednesday, April 22.

It will be held at the fraternity house, 1502 SW Hall, (just above PSU campus). For more information contact Richard Renton, 222-2334, or the fraternity.



Perspective's Alumni Notes is one of the most popular sections of this paper. Call or write and let your fellow alumni know what you're doing.



psu alumni

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Dunn Family Hits 4 for 4

by Clarence Hein

A few years back, three brothers, John, Jeff and Jim Dunn, all played one season for the same Little League baseball team in Portland. That year, their team swept its way to the league championship.

Later, the three brothers played one season for the same high school team and, again, that team won the league championship. In 1977, when the three brothers were students at Portland State . . . you guessed it, PSU won the Northern Pacific League championship with a 32-15 record, at one point winning 12 straight. If you glance through PSU's baseball record book and sort out the top hitters, pitchers and fielders in the University's history you'll find a Dunn listed in just about every category. Their names appear nearly 30 times.

Each of the brothers has gone on from the Viking uniform to spend at least one season in professional ball. But they were not the first members of their family to do so. Their father, Jack Dunn, current PSU baseball coach, spent ten years with the Los Angeles Dodgers baseball organization prior to becoming one of the Northwest's most successful coaches.

"I guess we just kind of grew up on baseball," comments Jeff, a 1979 graduate of PSU who spent a season with Bradenton, Florida, of the Pittsburgh Pirates organization. At one time, he says, all three brothers and their father were with different summer league teams in Portland. "Mom spent the summer going from ball park to ball park," Jeff says.

Among the all-time PSU records held by the Dunn brothers are: best career batting average, Jim; most career hits, Jeff; most stolen bases in one season, Jim; most games completed as a starting pitcher, John. In addition, each brother won the "Golden Glove" award for excellence in fielding: John in 1975, Jeff in 1977 and 1978, and Jim in 1979.

John, eldest of the brothers, completed his bachelor's degree at PSU in 1978. He pitched a season for the Portland Mavericks professional baseball team before earning a try-out with the San Diego Padres. He was named to the All Northwest League All Star team and attended spring training with the Padres in 1978.

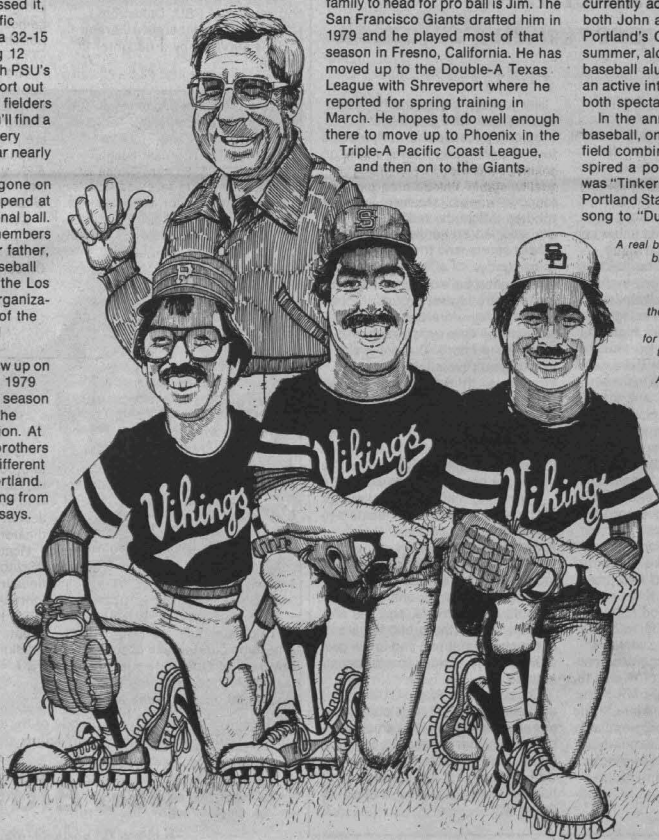
The latest member of the Dunn family to head for pro ball is Jim. The San Francisco Giants drafted him in 1979 and he played most of that season in Fresno, California. He has moved up to the Double-A Texas League with Shreveport where he reported for spring training in March. He hopes to do well enough there to move up to Phoenix in the Triple-A Pacific Coast League, and then on to the Giants.

Coach Jack Dunn came to Portland State in 1974 following a highly successful period of high school and American Legion coaching in Portland. He was named Oregon's Coach of the Year for all sports in 1973, and was Northern Pacific League Coach of the Year in 1977, the year his sons all wore Viking uniforms.

While Jim is the only Dunn brother currently active in professional ball, both John and Jeff play regularly in Portland's City League during the summer, along with many other PSU baseball alumni. They also maintain an active interest in PSU athletics as both spectators and volunteers.

In the annals of professional baseball, one of the most famous infield combinations (they even inspired a popular song of the day) was "Tinkers to Evers to Chance." At Portland State, we could change that song to "Dunn to Dunn to Dunn."

A real baseball family, the three Dunn brothers backed by father Jack — is captured by the pen of illustrator Tom Battles. From left, Jeff, who tried out with the Pittsburgh Pirates' organization; Jim, who currently plays for a San Francisco Giants farm team; and John, who tried out with the San Diego Padres. All three wore Viking uniforms in the 1977 season when PSU swept to the Nor Pac championship. Coach Jack Dunn also played professional ball and worked in the Dodger organization for several years before coming to PSU.



TOM BATTLES 81

Future of PSU athletics

University Athletic Director Roy Love has announced program realignments beginning in the 1981-82 academic year, including the elimination of men's intercollegiate basketball at PSU and the movement to NCAA Division II status for most men's sports.

"After months of evaluating all aspects of the program," Love told a crowded mid-week news conference, "we believe the University would best be served by pursuing quality programs in the following sports: NCAA men's sports — football, wrestling, baseball, golf, cross country, and track; AIAW women's sports — volleyball, basketball, softball, tennis, cross country, and track."

Dropped from intercollegiate competition at PSU will be men's basketball, men's and women's gymnastics and swimming, and women's fencing.

Of the men's sports, only baseball will remain at the NCAA Division I level. Women's volleyball and basketball will remain at AIAW Division I with other women's sports at Division II.

Baseball will remain affiliated with the Northern Pacific League while all women's sports will join an AIAW conference consisting of Boise State, Idaho State, Idaho, Montana, Montana State, Weber State, and Eastern Washington.

Meanwhile, the University is pursuing the formation of a new Division II football conference which Love termed, "very near reality."

Love said many factors were considered during the evaluation including, the increased demands on student resources; State System of Higher Education budgetary problems; current economic conditions; community interest; potential conference affiliation; existing facilities; the number and quality of scholar-athletes available locally; and Title IX considerations.

The Athletic Director reiterated that, "This restructuring is the first positive step toward producing a quality, stable athletic program, and it is in accordance with the wishes of President Blumel that we have quality in whatever programs are offered by PSU."

Football tickets

on
sale



Holders of season tickets to last year's PSU football games have only until May 15 to renew their order for the coming season if they want their choice of best seating. After May 15 season ticket seating will be assigned on a first come-first served basis.

Two basic ticket packages will be offered for the coming six-game home season at Civic Stadium.

Regular reserved seat season tickets will be \$36 each. These are guaranteed seating reserved tickets.

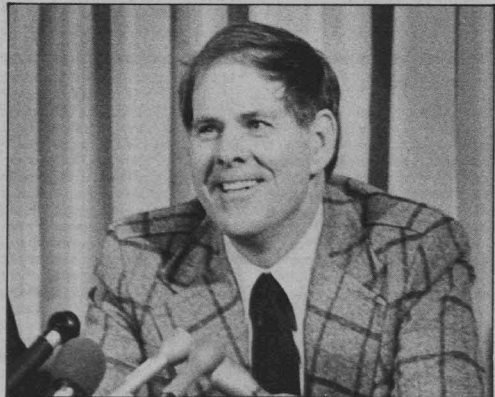
The second season ticket offer is the Family General Admission Pass at a cost of \$40. This pass will admit both parents and any number of minor children to all six home games in the general admission seating area.

There will be several special promotions at this year's home games, including Rose Bowl and, possibly, Super Bowl ticket giveaways.

The home stand begins on September 12 when the Vikings entertain the University of Puget Sound. The remaining home games are: Oct. 3, University of Idaho; Oct. 10, Idaho State; Oct. 17, Northern Arizona; Nov. 14, California State Northridge; and Nov. 21, Western Washington University.

Season tickets for Viking football will be available only through the University's Athletic Development Office, 229-4000, until mid-August.

New football coach



Don Read, new Viking football coach

PSU has a new head football coach.

Don Read, former coach of the Vikings from 1968 to 1971, has been head coach at Oregon Institute of Technology for the past four years, prior to resuming the top Viking football post once again.

Read, who compiled a 20-19 record with the Vikings at a time when they stepped from NAIA to NCAA competition, left PSU in 1971 to become quarterback coach at the University of Oregon. He later was named head coach of the Ducks, a position he held for three seasons.

At OIT, Read turned a long-time losing program into a winner by his second year there. Over the last two years, his teams have compiled a 14-4 record, finishing as Evergreen Conference co-champions this year. His overall OIT record was 21-15.

Read was the first football coach to produce a winning record at PSU. He replaces Darrel "Mouse" Davis who resigned in December to accept the post of offensive coordinator at California.

Read listed three reasons why PSU football fans can expect a continuation of the wide-open style of football played by the Vikings in 1980: the outstanding returning talent; the artificial surface at Civic Stadium; and the passing tradition at PSU.



COASTER THEATER

Portland State's popular summer stock company, The Coaster Theater, opens its thirteenth season at Cannon Beach on July 3. Four plays are on this year's schedule, featuring a pair of guest artists from television, films and Broadway.

Last year was the first season in which the Coaster added professional guest stars and they proved very popular, according to director Jack Featheringill.

Featheringill says negotiations for the coming season are nearly completed with two artists, a prominent Portland-born actress and an actor currently working in the film "Annie."

The four plays selected for this summer's season at Cannon Beach and their running dates are:

"Hobson's Choice," by Harold Brighouse, July 3-5, 8-12, 15-19. The vigorous Lancashire comedy which

became the Broadway musical "Walking Happy."

"The Unexpected Guest," by Agatha Christie, July 22-26, July 29-Aug. 2. A Pandora's box of suspicions and intrigues, climaxed with that final Christie punch.

"All the Way Home," by Tad Mosel, Aug. 5-9, 12-16. Winner of both the Pulitzer Prize and Critic's Circle Award, a moving dramatization of James Agee's "A Death in the Family."

"The Torch-Bearers," by George Kelly, Aug. 19-23, 26-30. The riotous antics of a 1920's amateur theatrical troupe.

Information about tickets for this year's Coaster Theater presentations may be obtained from the University's Theater Arts Department in mid-May.

Summer Session

Catalogs for Portland State University's Summer Session classes are now available. Advance registration has begun and continues until Friday, June 5. Early registration is advised since enrollment is on a first-come, first-served basis.

More than 600 courses are available at PSU this summer. Offerings include 15 foreign languages and eight overseas study programs, as well as a variety of courses taught by visiting professors from international and national points.

Formal admission is not required to attend Summer Session classes, and out-of-state and foreign students pay the same tuition as Oregon residents. Diligent students find that Summer Session offers flexibility of scheduling which allows them to accelerate their programs, according to Charles M. White, Summer Session director.

Eight-week courses begin on June 22 or 23, and end on August 14. However, many classes (ranging in length from two days to 12 weeks) begin on various dates throughout the summer, to make it easier for students to plan course work around other activities.

To begin advance registration, those interested may fill out the course request form included in the center of the Summer Session catalog, and return it before advance registration ends on June 5.

Catalogs may be obtained at the Registration and Records window in PSU's Neuberger Hall (SW Broadway between Harrison and Hall streets), or requests to mail the catalog may be made by calling the Summer Session office at 229-4081.

TRAVEL

For those who have the travel itch, exciting trips to Europe, Asia and Canada are among those being offered this summer through PSU's Alumni Office.

"SALZBURG SUMMER MUSIC FESTIVAL" highlights two trips to Austria this summer. The first tour leaves Seattle on August 10 for the world famous festival and includes a three-day stay in Vienna. The 12-day tour is priced at \$1,495. The second option, leaving August 11, totals 14 days and includes side trips to Munich and Vienna for \$1,695.

"LONDON PLUS EUROPE A LA CARTE" is a one-week excursion to London with side trip options to visit England, Scotland, Britain, Ireland, Portugal, Italy, Greece, Crete, and Dubrovnik, Yugoslavia. Fares for the first tour, June 15-30, begin at \$1,179. Offered again Sept. 21 to Oct. 6, the fares will start at \$1,069.

"CHINA 1981" features a 16-day guided tour of China with Dr. Hwan Hsu, PSU professor emeritus of physics and a native of China. The tour will include visits to the cities of Peking, Sian, Soochow, Shanghai, Hanchow and Kwellin, plus four days in Tokyo and Hong Kong. The fare is \$3,850 for the trip which departs May 2 and returns May 22.

An exciting canoe/kayak trip on the Yukon River in Northwestern Canada in June will feature spectacular scenery with abundant wildlife. The tour will be led by David McGowan (69 MS), an experienced river guide. The cost of \$1,275 per person includes air travel, canoes and camping equipment, food, and a one year membership in Diamond Tooth Gertie's Saloon Association.

John Eliot Allen, PSU professor emeritus, will provide a geologist's commentary during a one-day journey through the beautiful Columbia River Gorge this spring. The bus trip will leave Portland Saturday, April 25 at 8 a.m., with a stop enroute at the Columbia Gorge Hotel in Hood River for a farm house brunch. The return trip from The Dalles is across the river via the Washington route. The price of \$37.50 includes transportation, lunch, and a copy of Dr. Allen's book, **The Magnificent Gateway**.

Two raft trips being offered to alumni in May and June feature recreation in Central and Eastern Oregon for three days each. An easy 50 mile drift trip on the Upper John Day River, providing spectacular views of the high Eastern Oregon country will run Thursday through Sunday, May 14-17. The cost of \$94.50 per person includes round

trip transportation, equipment rental, and meals. The raft trip on the Upper Deschutes River begins as a leisurely float over 50 miles from Warm Springs to Shearers Falls, where participants will run the rapids. The trip will run Saturday through Monday, June 13-15, and will cost \$89.50 per person.

Space is still available on all except the China trip. For more information and reservations, contact the Alumni Office, 229-4948.

Cancer research

continued from page 1

wife and two children do not eat hamburgers along with bacon, such as in bacon-burgers. Vithayathil is concerned about the cancer-causing potential when nitrates from the bacon and mutagenic compounds from the beef interact with stomach acid.

Viewed from another perspective, Vithayathil says, "smoke condensate from (one) cigarette has got about six times (the mutagenic) activity you find in one well-done hamburger. That is a little bit like mixing apples and oranges, but still by the (Ames) test system, that's about how much you are talking about."

Since the first scientific papers on researching mutagenic compounds

in food, and particularly in cooked meat, weren't even published until 1978, it is fair to call it a new area of scientific inquiry.

"As far as I know," says Vithayathil, "there are about four groups here in the U.S. and one in Japan whom we know are actively involved in similar research."

Vithayathil's motivations for conducting this complex research are two-fold. "In this type of investigation, even if it didn't have any applications, just to find out what is happening chemically gives you enough satisfaction," he feels. "But it's doubly satisfying to know that maybe some of these findings would have some beneficial effect to society."

Engineering seeks high school intern

Herman Migliore, mechanical engineering, has announced a search for three local high school students to participate in a minority research apprentice program sponsored by the Office of Naval Research.

Plans are to let the three work full time during the summer on projects being conducted by Migliore, William Savery, department head (mechanical), and Franz Rad, department head (civil).

"This not only gives us valuable assistance on research projects which we need, but also gives us a chance to interest talented young people in our profession," said Migliore. "Because of our increased technological needs, society is relying more and more on the work of engineers."

Migliore's work involves computer graphics and expanding the problem-solving capabilities of the division's newly-acquired computer. Savery and Rad are investigating other engineering phenomena using experimental techniques.

Migliore stressed that basic research is involved in all three projects, which will require the students to work on abstract models and solutions, in addition to routine testing and data interpretation. The students will be paid a salary while they are at PSU.

Applications will be accepted through Friday, May 1. For more information, contact Migliore at 229-4281 or 229-4631.

Ash from St. Helens brings avalanche of a different sort

The ongoing pressures of geologic history in the making at Mount St. Helens during 1980 prompted PSU's Earth Sciences Department to respond to a deluge of requests from the public for explanations of the volcanic activity.

Nine Earth Sciences faculty members, responding to a survey recently compiled by John Eliot Allen, professor emeritus of geology, listed at least 68 television appearances involving discussion of the mountain during 1980 alone, plus 60 additional appearances on area radio stations.

Through their efforts, television viewers and radio listeners numbering in the hundreds of thousands in the Northwest region, as well as uncounted millions across the nation,

Going downtown? Impact of transit mall measured

PSU's Center for Urban Studies has a major role in a special year-long study designed to measure and analyze the impact of Portland's downtown Transit Mall.

Sharing the research tasks with PSU on the study entitled, "Portland Transit Mall Impact Analysis," are the City of Portland and Tri-Met.

The need for an accurate study of the transit mall's impacts is great, according to Kenneth Dueker, Director of the center. "There's been a lot of speculation about the impacts of the mall, but there is a lack of real measurement or hard evidence about them."

Federal officials want to know whether the Portland mall experience could benefit other cities.

Locally, people in and out of government are being deluged with requests for information about the mall, and find themselves unable to back their contentions with real evidence.

"We're going to perform a survey of employees downtown, to determine their changes in travel, and to learn about their attitudes concerning the changes the mall has produced," explains Dueker. In addition, PSU staff and research assistants at the center will look at the mall's true impact on land values, and will interview business owners and developers who have moved their business concerns into or away from the mall area.

Preparing for the next blow— Ash removal equipment designed

Many Northwesterners may already have dismissed the problems of volcanic ashfalls from their lists of immediate concerns. But the choking, dusty material which for a time seemed to cover everything, including city streets, remains a prime concern for two PSU researchers, Herman J. Migliore and Robert E. Miller, engineering.

The two have been working to develop a system which uses water under high pressure to flood the bottom-most layer of ash deposits remaining on city streets after a

volcanic eruption. By suspending the heavy ash particles in water long enough, the researchers hope the ash residue can be more thoroughly pushed into larger, more concentrated piles for removal by conventional plows and loaders.

Funded by the City of Portland, basic design of the prototype involves use of a straight metal tube equipped with a dozen high-pressure nozzles which can focus streams of water to spray the street surface. Special legs and wheels mounted on the device allow it to roll along just off the surface, while shields on the sides control overspray. With the PSU device mounted on the front of a street department tanker truck, a strip of pavement about eight feet wide can be cleared on each pass.

Full-scale tests of the prototype recently were conducted, and results are being evaluated in terms of both speed and quality of cleaning. It is hoped that by perfecting the new PSU design, it will be easier for city road departments in the Northwest to remove more ash earlier, before it overwhelms storm drain and sewer systems.



PORTLAND STATE UNIVERSITY perspective

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'Letters to the Editor'

Perspective would like to introduce a "Letters to the Editor" column. We invite questions and comments concerning the content of **Perspective** and the University. **Perspective** reserves the right to edit letters to meet space and clarity requirements.

portland state university summer program in the arts at
cannon beach, oregon—music/writing/theater/visual arts

HAYSTACK '81



SONGWRITING — Bob Gibson June 22-26
MUSIC OF THE MIDDLE EAST — Robert Ataie June 22-26
FICTION WRITING — Peggy Simson Curry June 22-26
LITHOGRAPHY — Jim Hibbard June 22-July 3
PERFORMANCE — Bob Gibson June 29-July 3
BUSINESS AND PROMOTIONAL WRITING — Gail Tyner June 29-July 3
NORTHWEST COAST INDIAN ART — Doug Graham June 29-July 10
MUSIC AND THE EXCEPTIONAL CHILD — Donna Douglass July 6-10
CONTEMPORARY FICTION WRITING — Kathryn Marshall July 6-17
LETTERING AND DESIGN — Bettye L. Bennett July 13-24
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FIDDLE — Carol Ann Wheeler July 20-24
STORYTELLING — Cynthia Orr July 20-24
POETRY — Madeline DeFrees July 20-31
GUITAR I — Ray Tate / Susan Fletcher July 27-31
BANJO — Peter Wernick July 27-31
WATERCOLOR — Nelson Sandgren July 27-August 7
SCIENCE FICTION & FANTASY — Vonda McIntyre / Elizabeth Lynn / Ursula LeGuin July 27-August 14
GUITAR II — Ray Tate / Susan Fletcher August 3-7
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CLASSICAL GUITAR — Pamela Kimmel August 10-14

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